

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101367.D
 Acq On : 13 Dec 2017 9:32
 Operator : SJ/JU
 Sample : I6764-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 10:48:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	37743	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	134283	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	52975	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	93894	20.00	ng	0.00
75) Chrysene-d12	14.01	240	73654	20.00	ng	0.00
86) Perylene-d12	15.49	264	55699	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	229800	100.61	ng	0.00
7) Phenol-d6	6.46	99	272656	98.32	ng	0.00
23) Nitrobenzene-d5	7.39	82	146908	65.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	51365	80.71	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	302266	78.07	ng	0.00
78) Terphenyl-d14	12.94	244	269806	80.12	ng	0.00

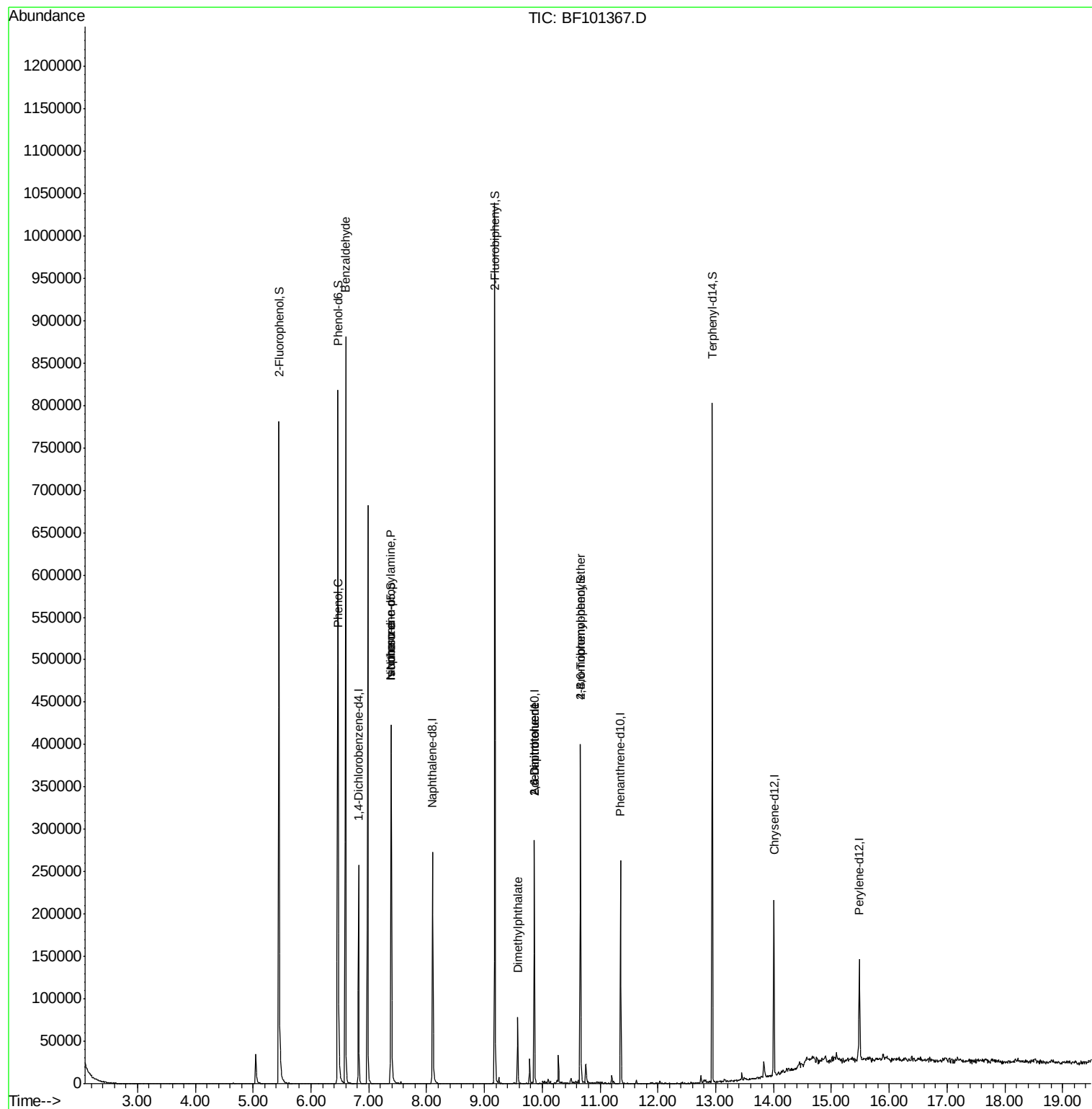
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	4577	2.697	ng	92
10) Phenol	6.47	94	8256	2.677	ng	# 65
19) n-Nitroso-di-n-propylamine	7.39	70	19234	10.299	ng	# 82
25) Isophorone	7.39	82	146908	38.207	ng	# 64
49) Dimethylphthalate	9.57	163	30862	7.224	ng	99
50) 2,6-Dinitrotoluene	9.86	165	6850	7.612	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	6850	5.680	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3102	2.952	ng	# 1

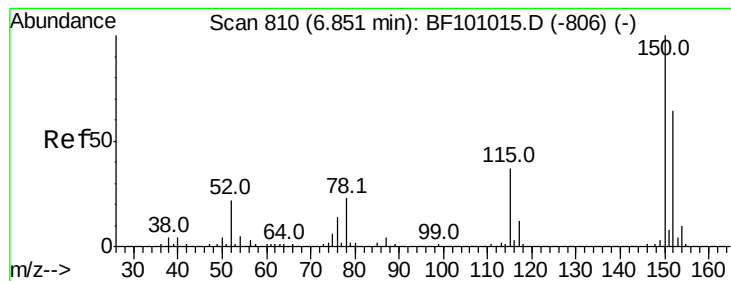
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Instrument :

BNA_F

ClientSampled :

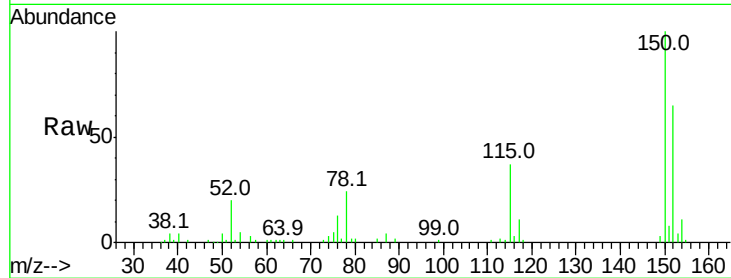
Tot Ion:152 Resp: 37743

Ion Ratio Lower Upper

152 100

150 154.4 124.6 186.8

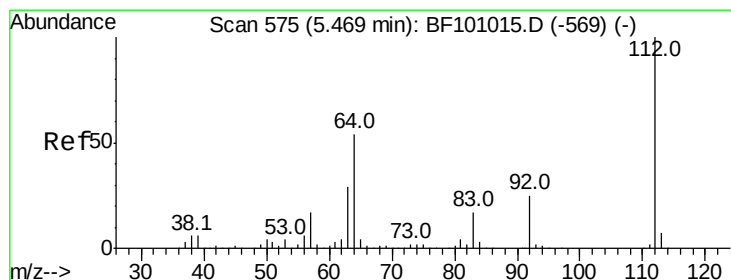
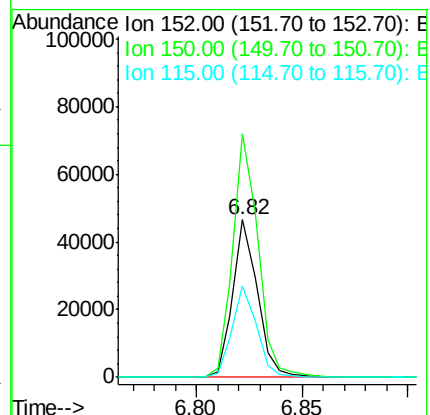
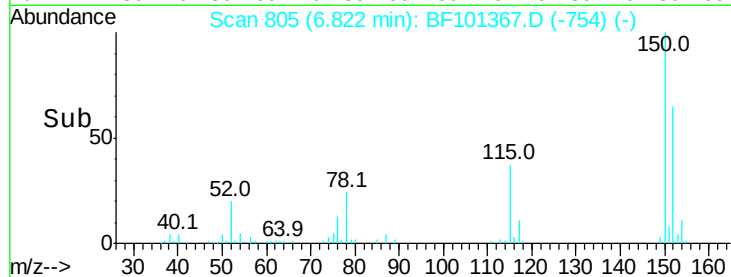
115 57.7 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 100.610 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

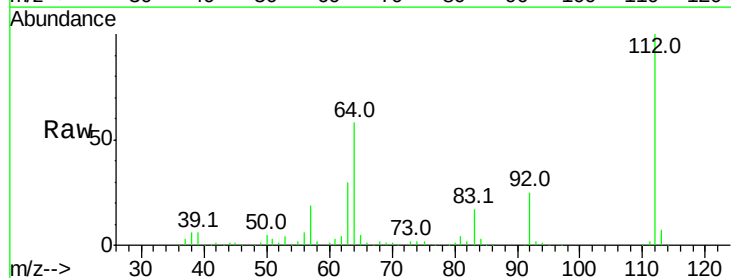
Tgt Ion:112 Resp: 229800

Ion Ratio Lower Upper

112 100

64 57.5 47.9 71.9

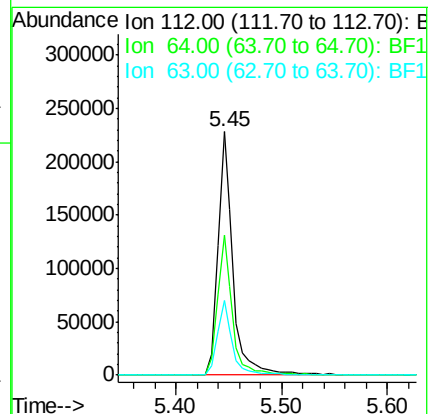
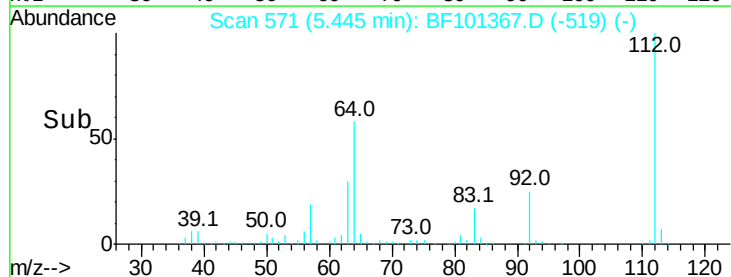
63 30.5 23.7 35.5

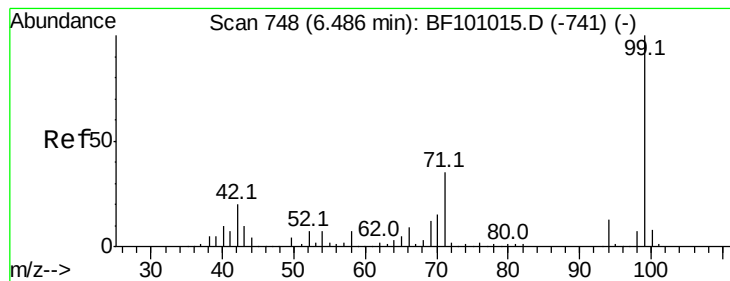


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.322 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Instrument :

BNA_F

ClientSampleId :

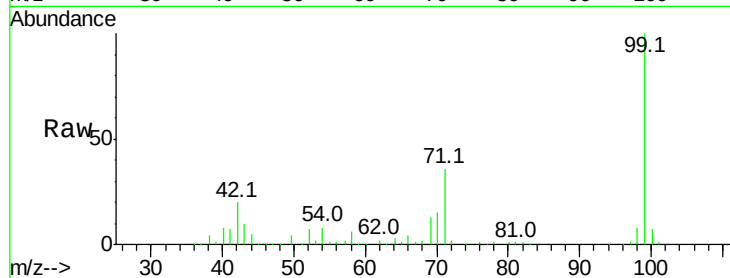
Tot Ion: 99 Resp: 272656

Ion Ratio Lower Upper

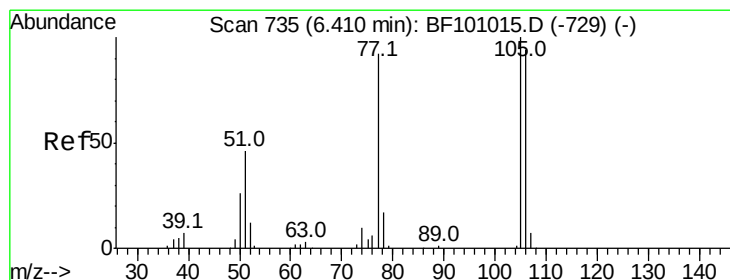
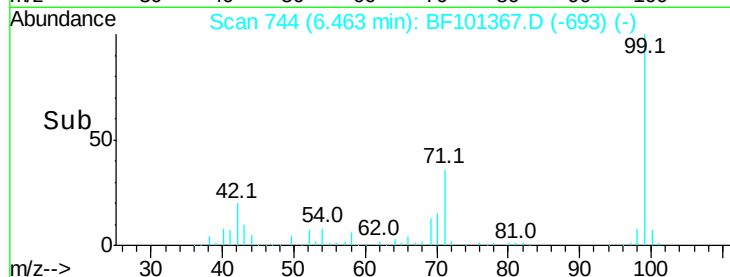
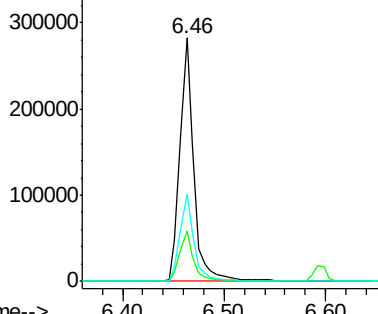
99 100

42 20.4 14.5 21.7

71 35.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.697 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

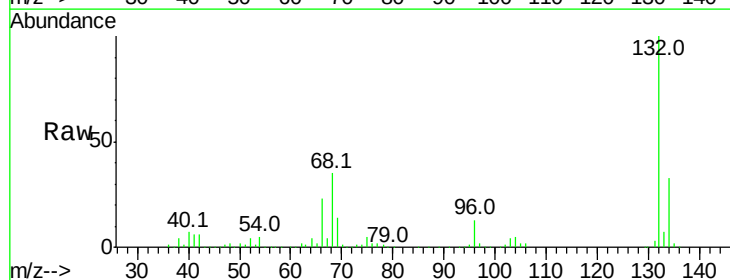
Tgt Ion: 77 Resp: 4577

Ion Ratio Lower Upper

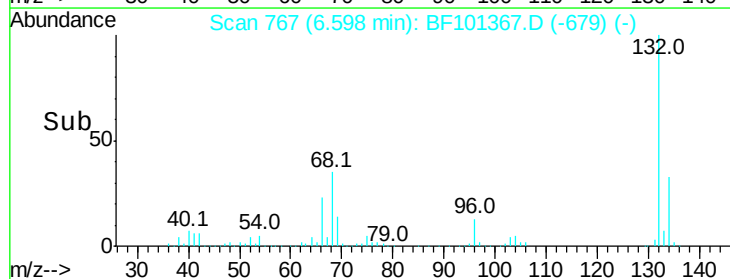
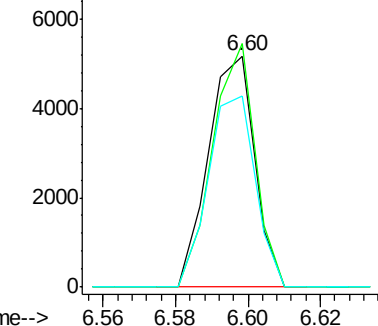
77 100

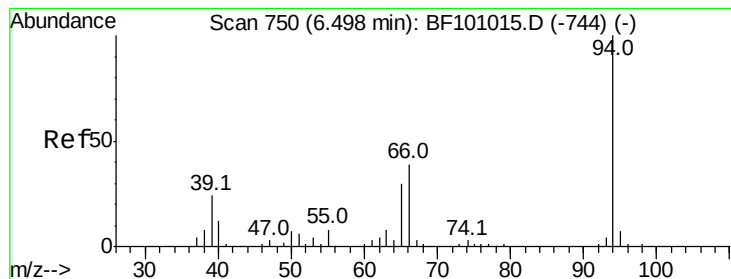
105 105.3 81.1 121.1

106 82.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.677 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Instrument :

BNA_F

ClientSampleId :

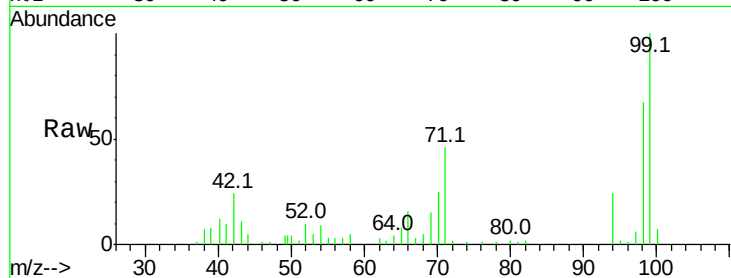
Tot Ion: 94 Resp: 8256

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

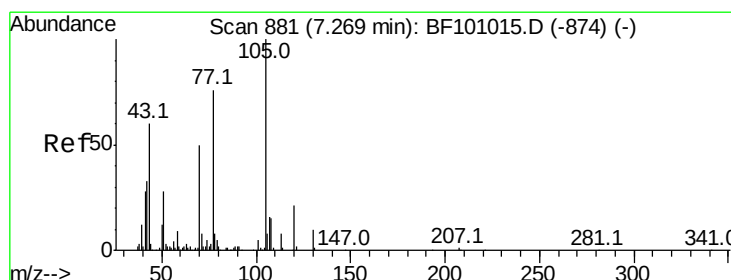
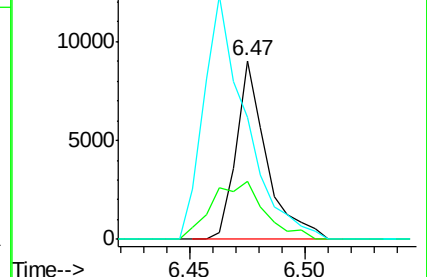
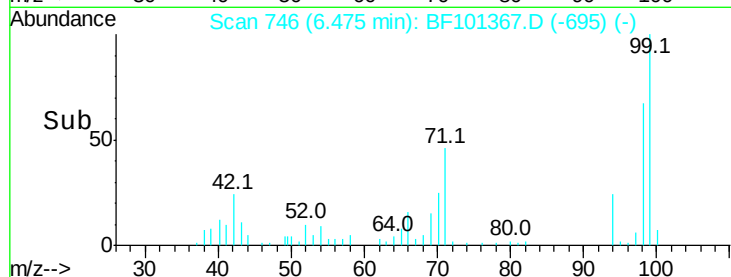
66 68.2 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.299 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Tgt Ion: 70 Resp: 19234

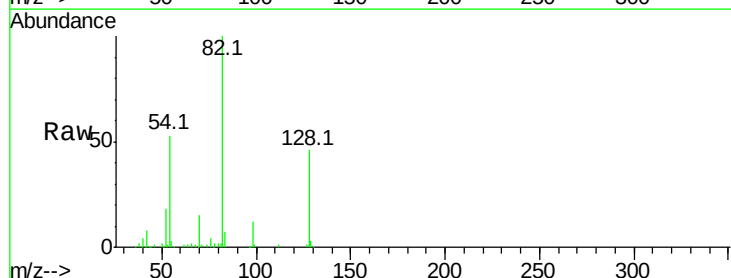
Ion Ratio Lower Upper

70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

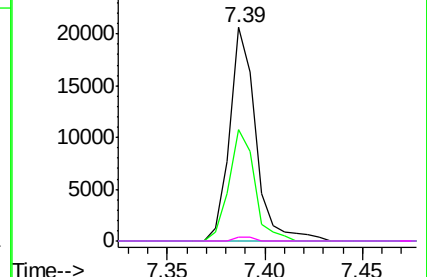
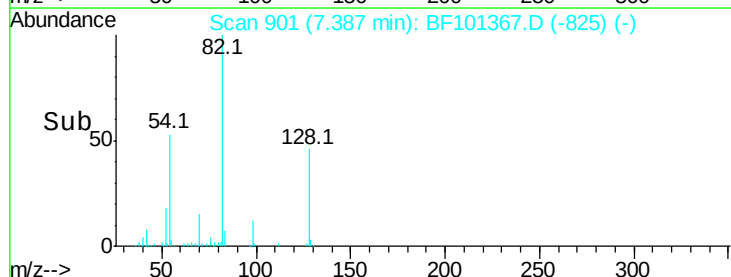


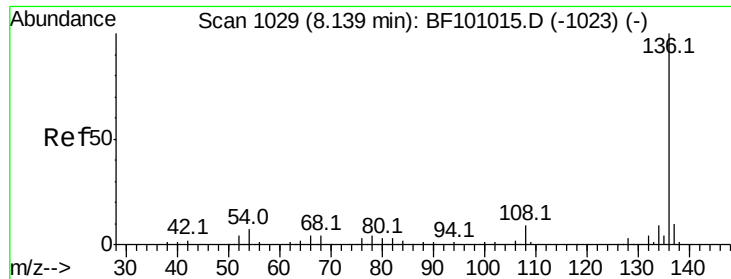
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

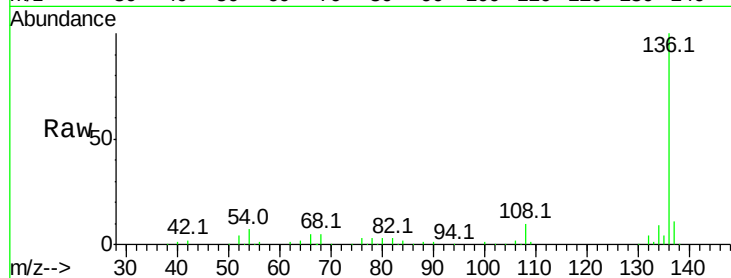




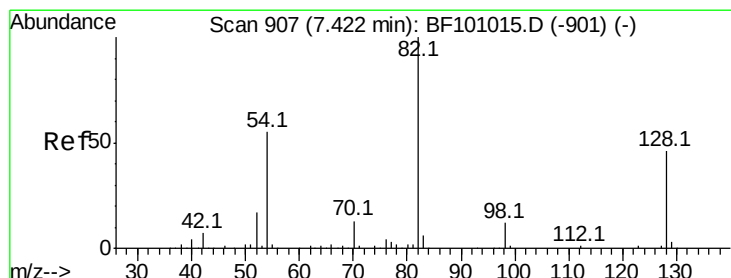
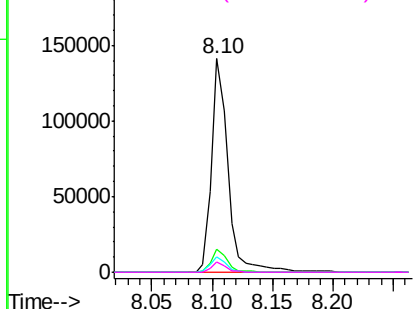
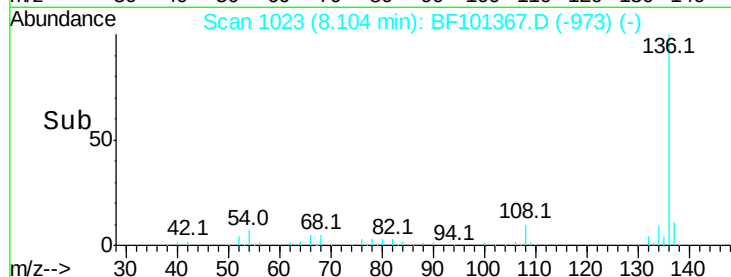
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	134283
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	7.4	6.6 9.8
68	5.1	5.0 7.4

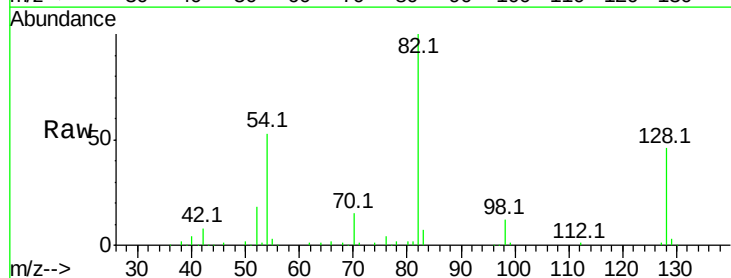


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

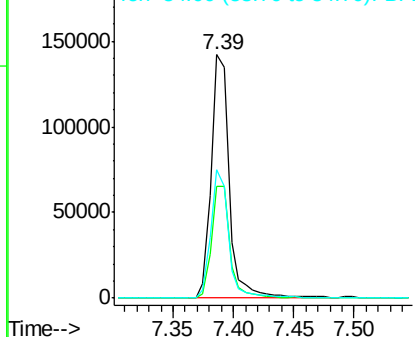
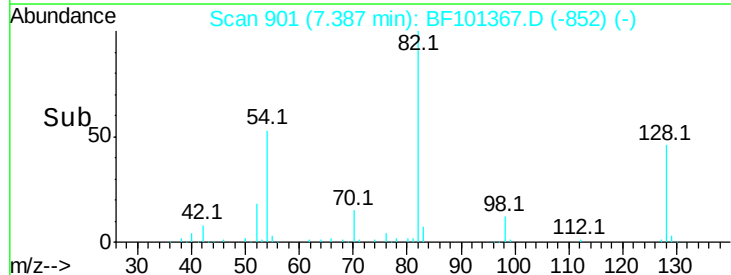


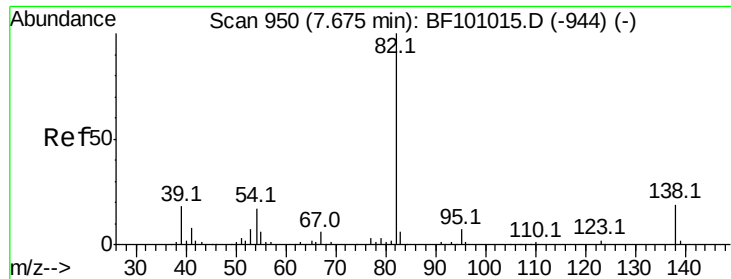
#23
Nitrobenzene-d5
Concen: 65.262 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

Tgt Ion: 82	Resp:	146908
Ion Ratio	Lower	Upper
82	100	
128	46.0	36.1 54.1
54	52.8	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

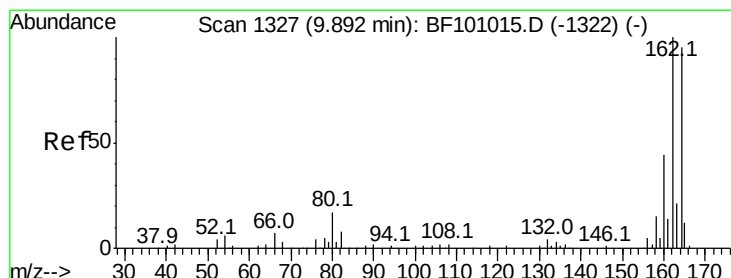
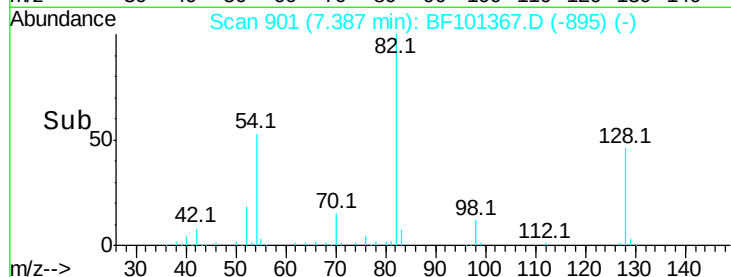
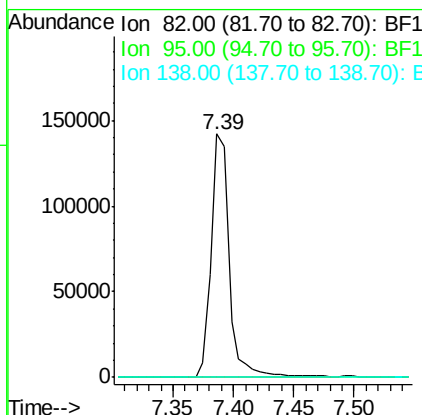
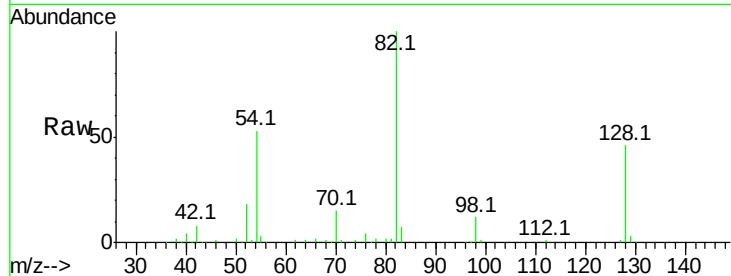




#25
Isophorone
Concen: 38.207 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

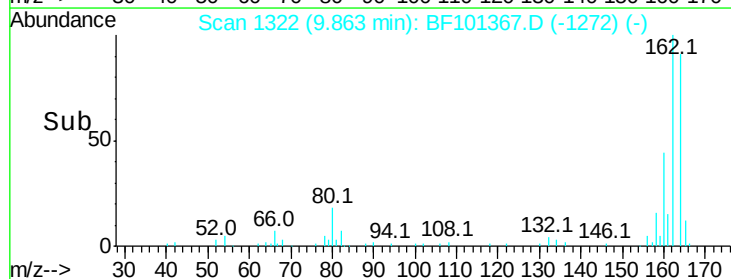
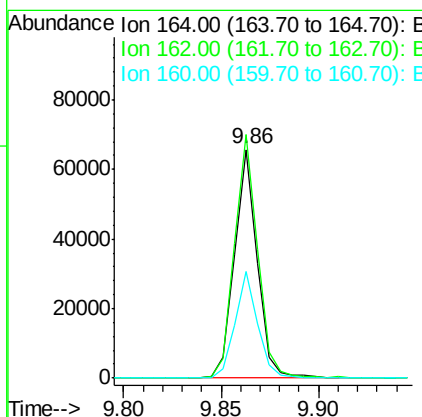
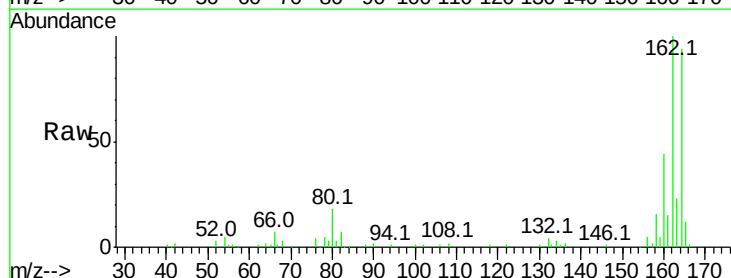
Instrument :
BNA_F
ClientSampled :

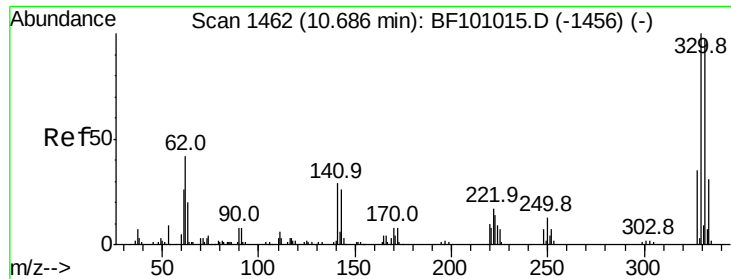
Tot Ion: 82 Resp: 146908
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

Tgt Ion:164 Resp: 52975
Ion Ratio Lower Upper
164 100
162 106.5 86.1 129.1
160 46.5 38.3 57.5

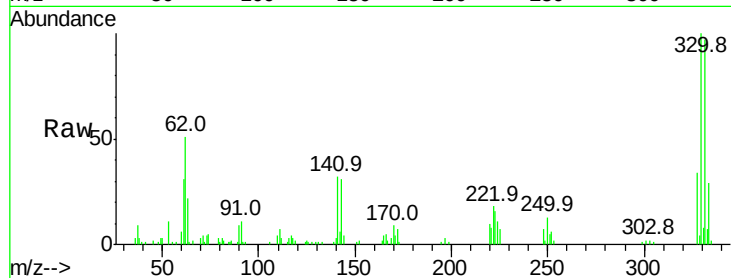




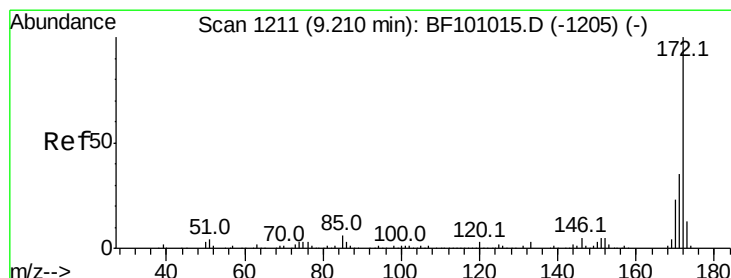
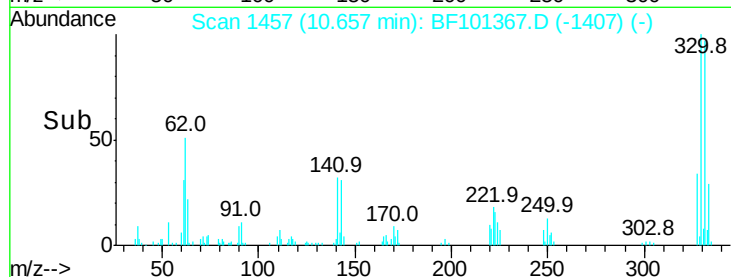
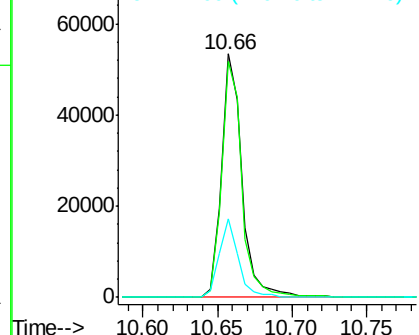
#41
 2,4,6-Tribromophenol
 Concen: 80.714 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101367.D
 Acq: 13 Dec 2017 9:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.9	29.9	44.9

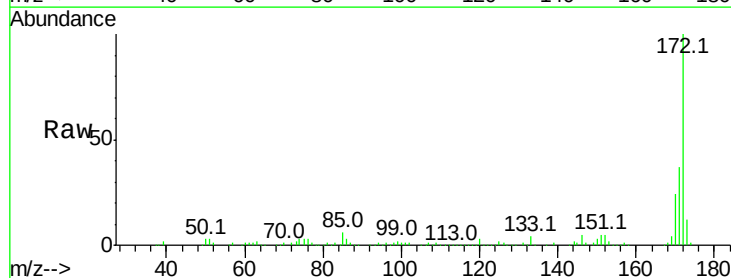


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

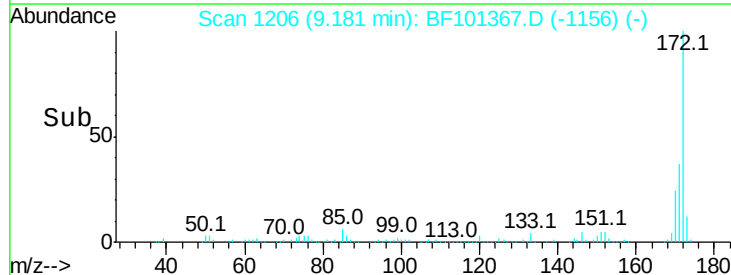
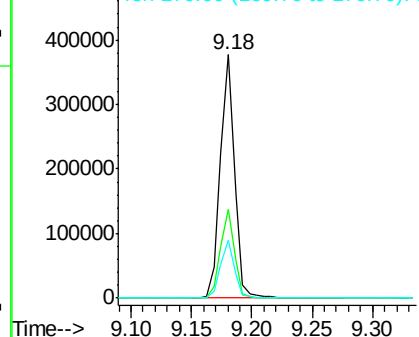


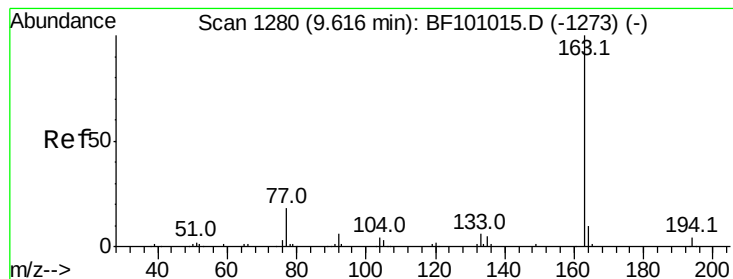
#44
 2-Fluorobiphenyl
 Concen: 78.067 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101367.D
 Acq: 13 Dec 2017 9:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.0	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.224 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Instrument :

BNA_F

ClientSampleId :

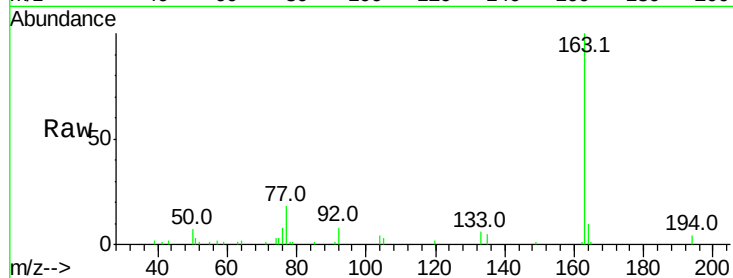
Tot Ion:163 Resp: 30862

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

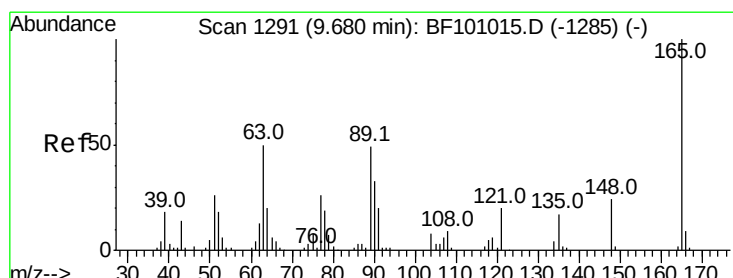
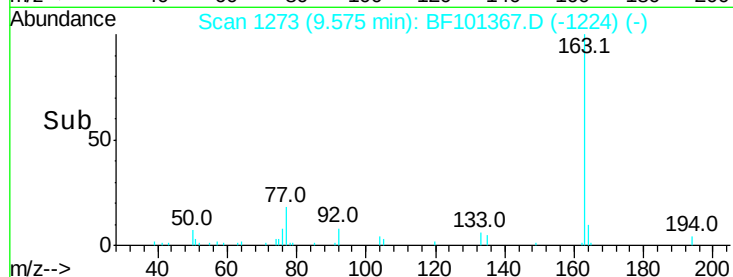
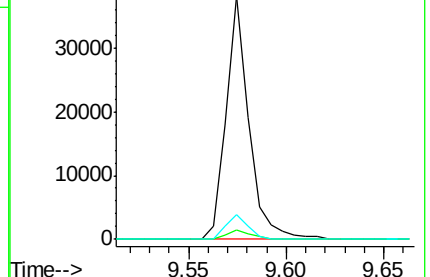
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.612 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

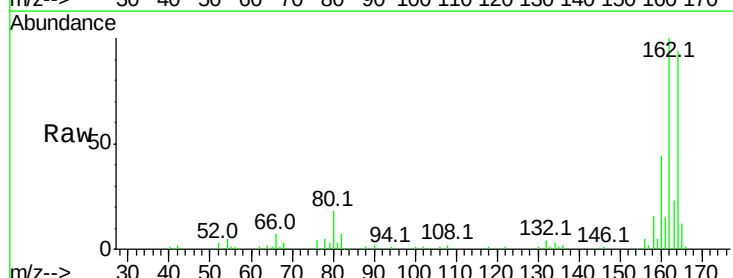
Tgt Ion:165 Resp: 6850

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

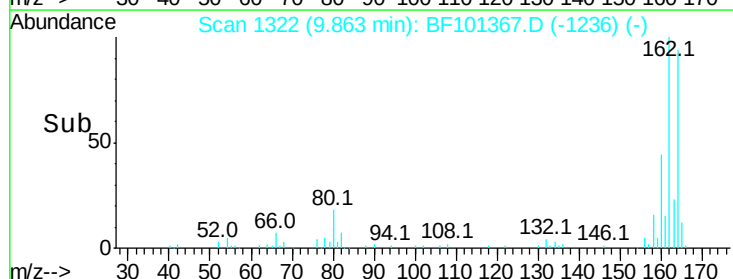
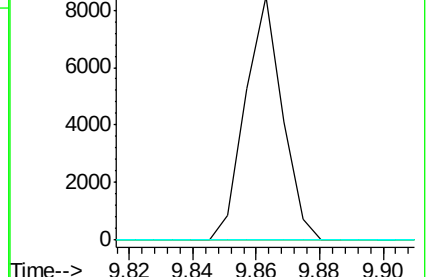
89 0.0 44.0 66.0#

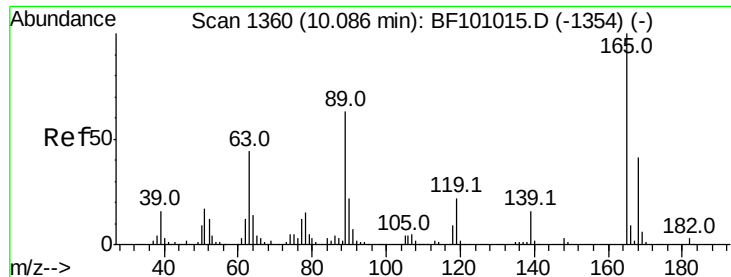


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

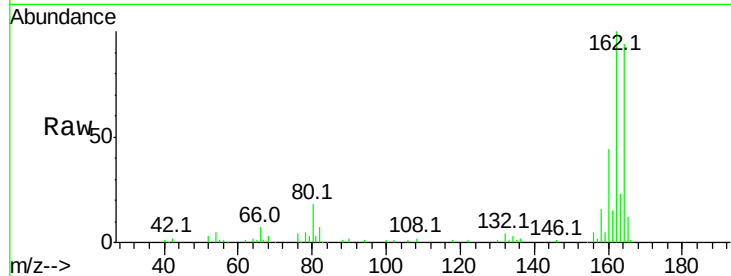




#56
 2,4-Dinitrotoluene
 Concen: 5.680 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101367.D
 Acq: 13 Dec 2017 9:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



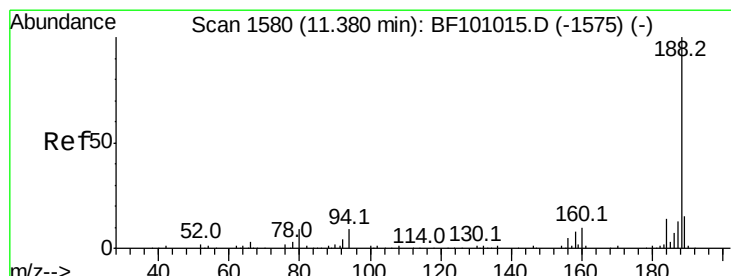
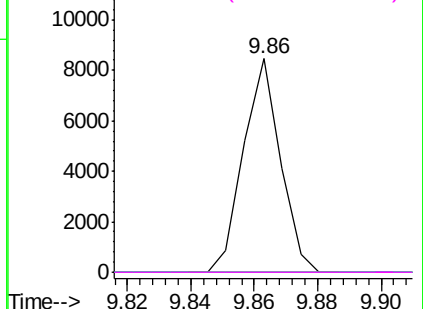
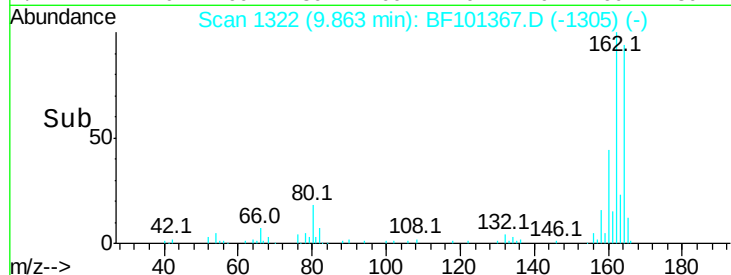
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

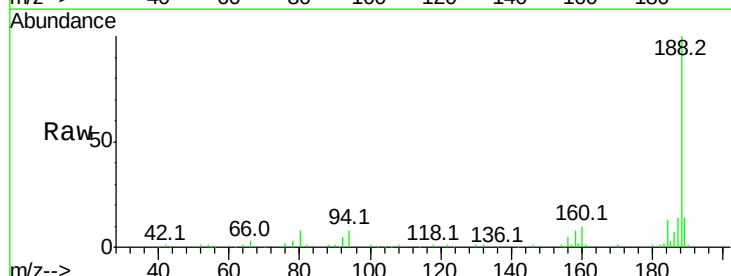
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101367.D
 Acq: 13 Dec 2017 9:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	7.8	9.2	13.8#

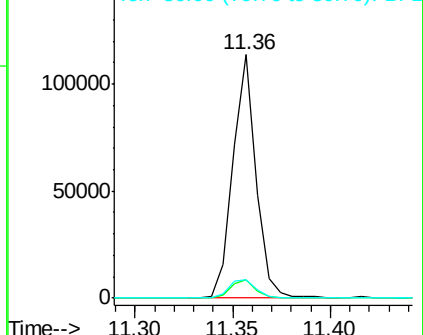
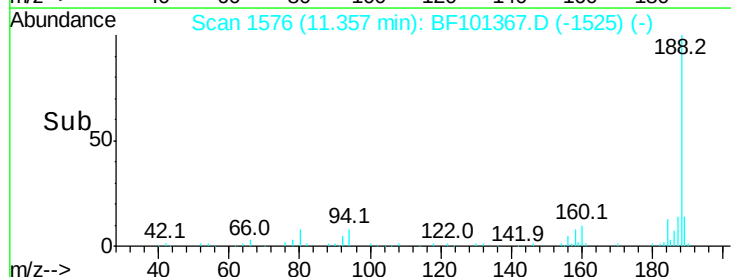


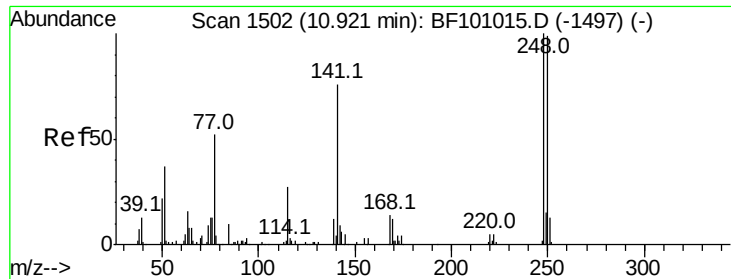
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

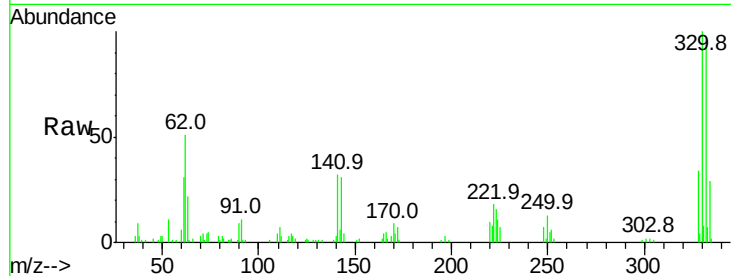




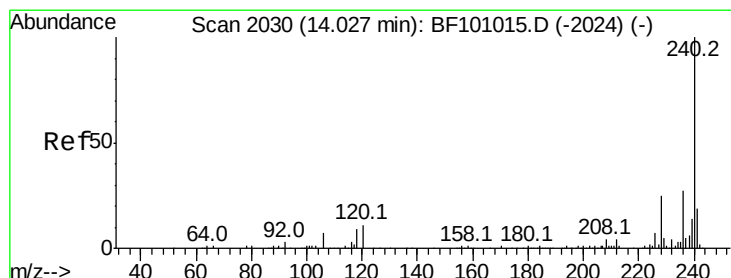
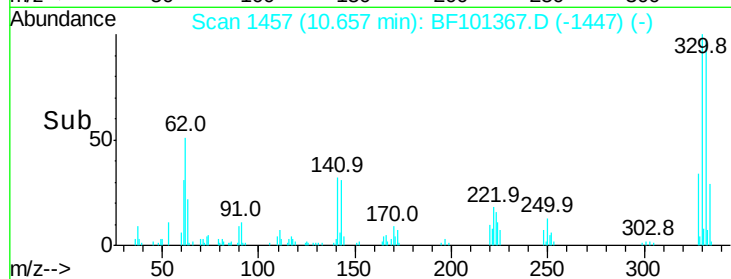
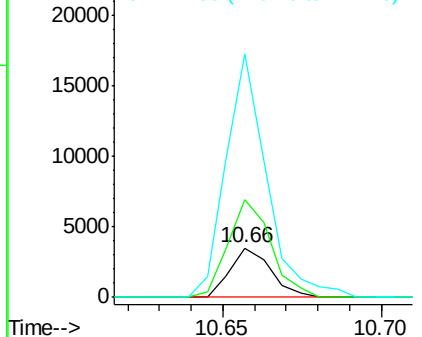
#66
4-Bromophenyl-phenylether
Concen: 2.952 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3102
Ion Ratio Lower Upper
248 100
250 196.4 76.9 115.3#
141 490.0 74.4 111.6#

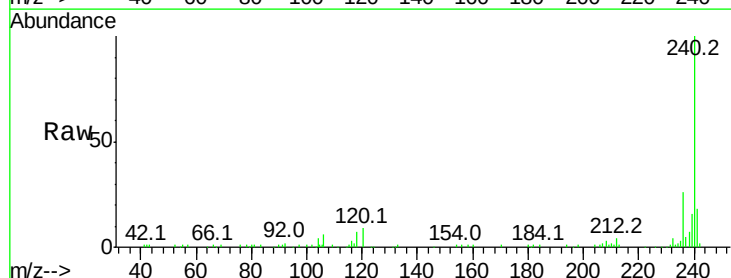


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

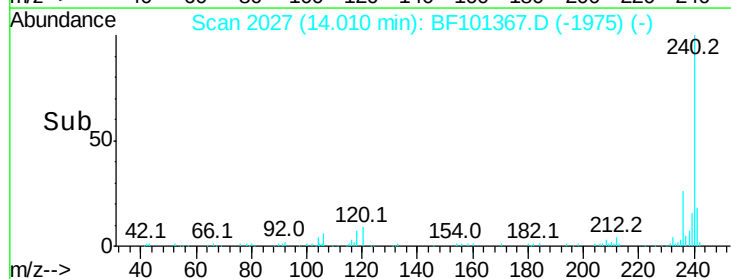
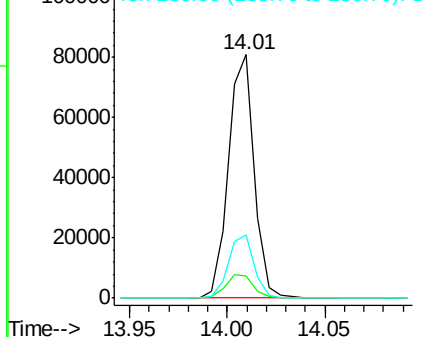


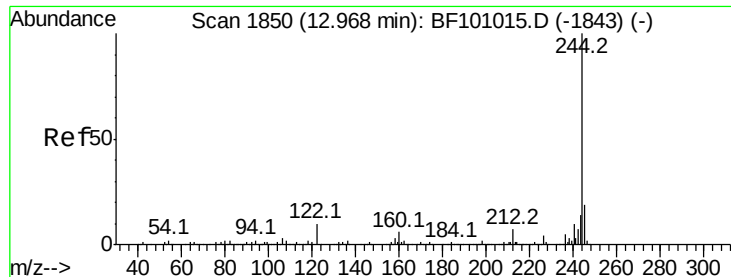
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101367.D
Acq: 13 Dec 2017 9:32

Tgt Ion:240 Resp: 73654
Ion Ratio Lower Upper
240 100
120 9.1 9.5 14.3#
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.123 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

Instrument :

BNA_F

ClientSampleId :

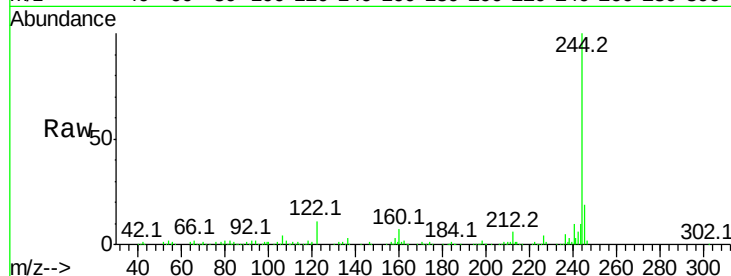
Tot Ion:244 Resp: 269806

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

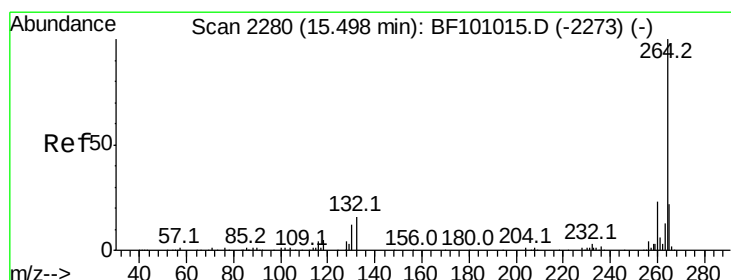
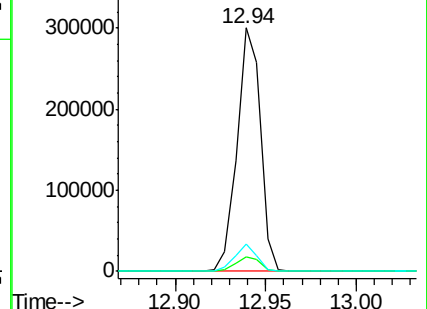
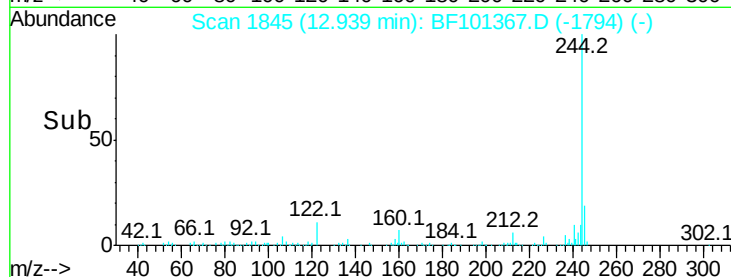
122 11.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101367.D

Acq: 13 Dec 2017 9:32

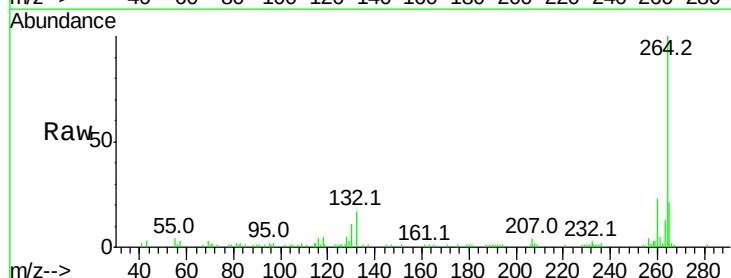
Tgt Ion:264 Resp: 55699

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

